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<p>(54) Title: A MULTI-CONTAINER DEVICE FOR THE POCKET TRANSPORT OF ANTI-ALLERGIC MEDICINE</p> <p>(57) Abstract</p> <p>The multi-container device (1) according to the present invention, for the pocket transport of anti-allergic medicine, comprises a plurality of shaped and separated housings (2, 4, 6, 10), each provided with its own access and safety closing means (3, 5, 8) for the medicines to be used, in a disposition that makes the transport encumbrance as little as possible.</p>									

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"A MULTI-CONTAINER DEVICE FOR THE POCKET
TRANSPORT OF ANTI-ALLERGIC MEDICINE"

The present invention concerns a multi-container device for the pocket transport of anti-allergic medicine to be taken by mouth and/or for external use.

It is known that patients suffering from allergies are forced - according to the seasons or the places in which they are living - to carry about different packings of medicines like, e.g., eye drops against a strong lacrimation, a nose spray or inhaler for breathing fits and antihistaminic tablets for modulating both troubles at a systemic level.

It is the aim of the present invention to eliminate the inconveniences deriving from the difficulty of finding in a very short time in a bag or in a pocket the specific medicine for contrasting the first symptoms of the allergy.

The art doesn't know, at present, a single container that may be carried about by the patients and that may contain all medicines of above described kind, allowing an easy and practical use thereof.

The aim set forth is reached by means of the multi-container according to the present invention, comprising a

plurality of shaped and separated housings, each provided with its own access and safety closing means for the medicines to be used, in a disposition that makes the transport encumbrance as little as possible.

The advantage of the device according to the present invention is evident.

The device according to the present invention will be described in detail hereinbelow relating to the enclosed drawings, in which some embodiments are shown.

Figure 1 shows an axonometric and transparent view of a multi-container device according to the present invention for the pocket transport of anti-allergic medicines, with horizontally pivoted structures for the access to the contents of the separate divisions, shown in opening position in figure 2.

Figures 3 and 4 show an axonometric and transparent view the opening position of a variant of the device according to the present invention, with differentiated access structures.

Figures 5 and 6 show a variant with a container devided into sections accessible through one single panel.

Figure 7 shows a variant with four sections, also provided with a single container - beyond the ones listed in the preceding variants - for drinkable water, for possibly swallowing tablets, shown in detail in figure 8.

The enclosed figures show a multi-container device for the pocket transport of anti-allergic medicine, comprising a compact structure 1 divided in a plurality of sections:

- a space 2 for housing a nose spray S, protected by a proportioning device D for sterility and hygiene reasons, accessible through its own lid 3;
- a space 4 for the interchangeable eye drops bottle B, with a horizontally pivoted access structure 5;
- a horizontally pivoted space 6 for containing antihistaminic tablets, with a possible proportioning device 7;
- possible means for hooking said container 1 to the belt of the trousers or to the pocket of a shirt, a jacket or other;
- possible different colours for the different sections of said container 1, for a quick visual location of the content thereof.

In the variant of the device according to the present invention shown in figures 3, 4, all containing spaces are accessible through lids on fulcrum hinges 8, while in the

variant shown in figures 5, 6 the spaces are accessible through the sole ad common lid 9.

The variant shown in figures 7, 8 shown, as mentioned, beyond the different spaces for said medicines, also a small container 10 with a means 11 for the outlet of drinkable water, that may be carried about for swallowing tablets or similar.

CLAIMS

1. A multi-container device for the pocket transport of anti-allergic medicine, comprising a compact structure (1) divided in a plurality of sections:
 - a space (2) for housing a nose spray (S), protected by a proportioning device (D) for sterility and hygiene reasons, accessible through its own lid (3);
 - a space (4) for the interchangeable eye drops bottle (B), with a horizontally pivoted access structure (5);
 - a horizontally pivoted space (6) for containing antihistaminic tablets, with a possible proportioning device (7);
 - possible means for hooking said container (1) to the belt of the trousers or to the pocket of a shirt, a jacket or other;
 - possible different colours for the different sections of said container (1), for a quick visual location of the content thereof.
2. A device according to claim 1, characterized in lids on fulcrum hinges (8) for a quick visual location of the content.
3. A device according to claim 1, characterized in a sole common lid (9).

4. A device according to claim 1, characterized in the presence of a small container (10) with a means (11) for the outlet of drinkable water, that may be carried about for swallowing tablets or similar.

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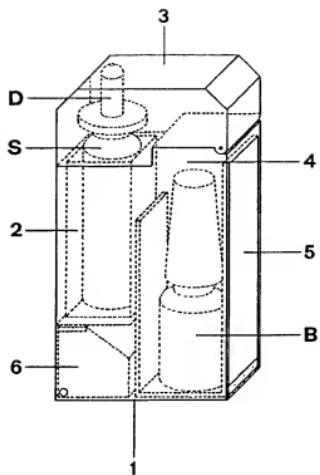


FIG. 1

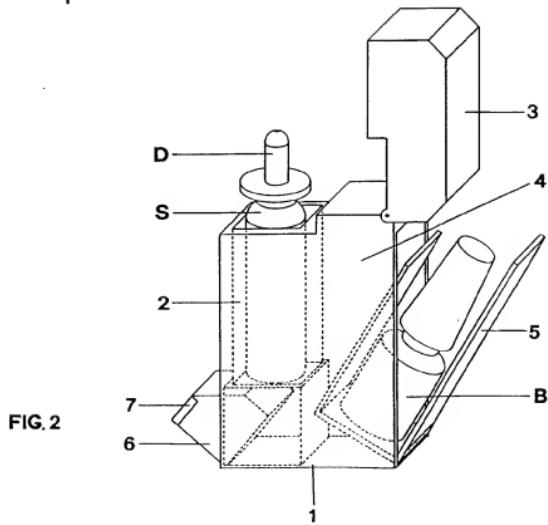


FIG. 2

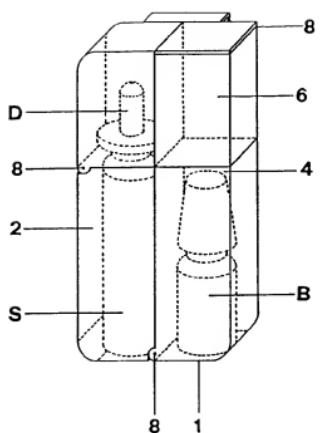


FIG. 3

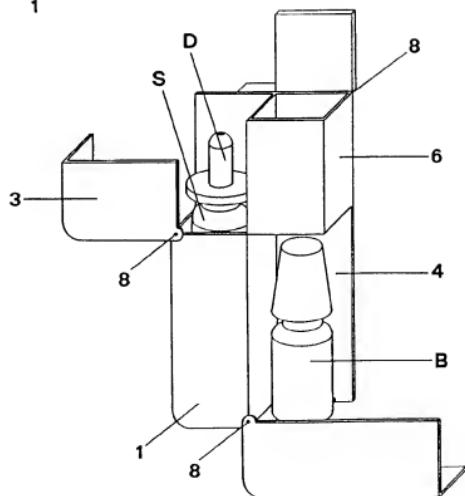


FIG. 4

3/4

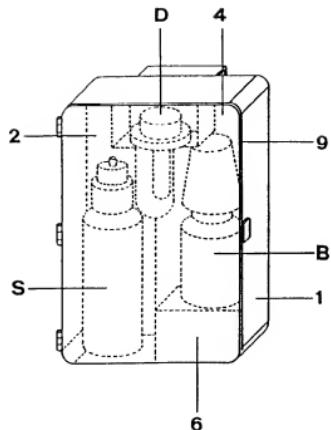


FIG. 5

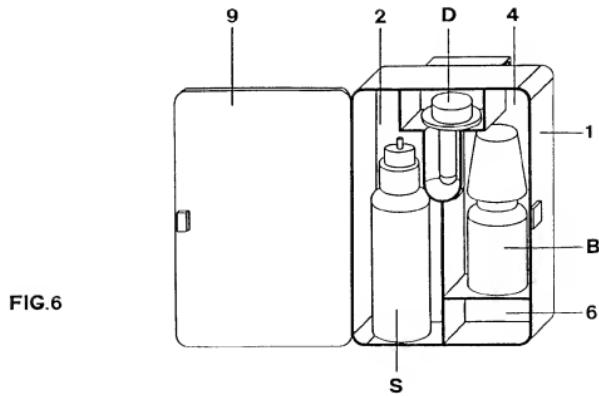


FIG. 6

4/4

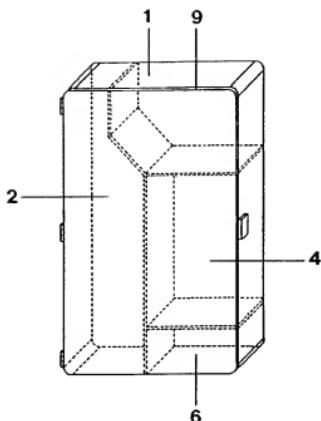


FIG. 7

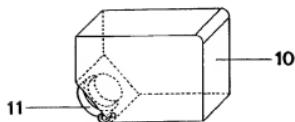


FIG. 8

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/IT 98/00072A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 A61J1/00 A45C11/00

According to International Patent Classification(IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 A61J A45C B65D A61B A45D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 92 13 830 U (SCHOLZ) 24 December 1992 see claim 1; figures ---	1
Y	US 5 611 447 A (WILLIAMS G. TYE) 18 March 1997 see the whole document ---	1
A	DE 91 07 020 U (SCHWARZ) 25 July 1991 see the whole document ---	1,4
A	US 4 518 092 A (CONTRERAS) 21 May 1985 see claims; figures ---	1
A	US 5 004 106 A (PROTECTION PROTECTION INC.) 2 April 1991 see column 4, line 25 - line 39 see column 6, line 4 - line 28; figures ---	2
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 848 587 A (NIPP) 18 July 1989 see column 3, line 31 - line 48 -----	3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 98/00072

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 9213830	U	24-12-1992	NONE	
US 5611447	A	18-03-1997	NONE	
DE 9107020	U	25-07-1991	NONE	
US 4518092	A	21-05-1985	NONE	
US 5004106	A	02-04-1991	NONE	
US 4848587	A	18-07-1989	NONE	